AMENDMENTS TO THE CLAIMS

1. (Previously presented) A system having diamond-like carbon (DLC) contact surfaces, comprising:

a pair of relatively movable, facing DLC contact surfaces at least one of which is coated with a film of at least one of a-C (amorphous carbon) DLC and a-C:H (hydrogenated amorphous carbon) DLC, and

a lubricant (L) interposed between said DLC contact surfaces, said lubricant (L) comprising:

a lubricant base oil (A) containing a base oil (X) as a main component,

a 0.001 to 0.2 mass% molybdenum dithiocarbamate as a sulfurcontaining molybdenum complex (B) in terms of molybdenum elements,

at least one friction modifier (C) selected from C1-C40 esters of aliphatic monocarboxylic acids, and

a sulfur-free metal detergent (D) selected from alkali metal or alkaline earth metal salicylates,

wherein said base oil (X) consists at least one of a hydrocracked mineral oil, a wax-isomerized mineral oil, and a poly- α -olefin base oil, and has a kinematic viscosity of 3.5 to 5 mm²/s at 100 °C, a total aromatic content of 0 to 2 mass%, and a total sulfur content of not higher than 0.002 mass%.

2. (Previously presented) The system according to claim 1, wherein said lubricant (L) further comprising a phosphorus-based anti-wear agent (E).

3-4. (Cancelled)

- 5. (Previously presented) The system according to claim 1, wherein said lubricant base oil (A) has substantially no sulfur content.
- 6. (Original) The system according to claim 1, wherein said DLC contact surfaces are contact surfaces provided in an internal combustion engine.
- 7. (Original) The system according to claim 1, further comprising, in addition to said DLC contact surfaces, a pair of relatively movable, facing non-DLC contact surfaces having no DLC film, wherein said lubricant (L) is interposed both between said DLC contact surfaces and between said non-DLC contact surfaces.
- 8. (Previously presented) A method of lubricating a system of claim 1, comprising lubricating a pair of relatively movable, facing DLC contact surfaces at least one of which is coated with a film of at least one of a-C (amorphous carbon) DLC and a-C:H (hydrogenated amorphous carbon) DLC, with a lubricant (L) interposed between said DLC contact surfaces, said lubricant (L) comprising:
- a lubricant base oil (A) containing a base oil (X) as main component,
- a 0.001 to 0.2 mass% molybdenum dithiocarbamate as a sulfur-containing molybdenum complex (B) in terms of molybdenum elements,
- at least one friction modifier (C) selected from C1-C40 esters of aliphatic monocarboxylic acids, and
- a sulfur-free metal detergent (D) selected from alkali metal or alkaline earth metal salicylates,

wherein said base oil (X) consists at least one of a hydrocracked mineral oil, a wax-isomerized mineral oil, and a poly- α -olefin base oil, and has a kinematic viscosity of 3.5 to 5 mm²/s at 100 °C, a total aromatic content of 0 to 2 mass%, and a total sulfur content of not higher than 0.002 mass%.

9.-17. (Cancelled)

- 18. (Previously presented) The method according to claim 8, wherein said lubricant (L) further comprising a phosphorus-based anti-wear agent (E).
- 19. (Previously presented) The method according to claim 8, wherein said lubricant base oil (A) has substantially no sulfur content.

20-21. (Cancelled)

- 22. (Currently amended) The system according to $\frac{21}{2}$ $\frac{21}{2}$ $\frac{21}{2}$ wherein said esters of aliphatic monocarboxylic acids as friction modifier (C) comprise glycerin monooleate.
- 23. (Previously presented) The system according to claim 1, wherein a content of said friction modifier (C) is 0.05 to 3.0 mass%, and a content of said sulfur-free metal detergent (D) is 0.01 to 1 mass% in terms of metal elements, based on a total amount of said lubricant (L).
- 24. (Previously presented) The system according to claim 2, wherein a content of said phosphorus-based anti-wear agent (E)

is 0.01 to 0.1 mass% in terms of phosphorus elements based on a total amount of said lubricant (L).

25-26. (Cancelled)

- 27. (Currently amended) The method according to $\frac{26}{2}$ claim $\frac{8}{2}$, wherein said esters of aliphatic monocarboxylic acids as friction modifier (C) comprise glycerin monooleate.
- 28. (Previously presented) The method according to claim 8, wherein a content of said friction modifier (C) is 0.05 to 3.0 mass%, and a content of said sulfur-free metal detergent (D) is 0.01 to 1 mass% in terms of metal elements, based on a total amount of said lubricant (L).
- 29. (Previously presented) The method according to claim 18, wherein a content of said phosphorus-based anti-wear agent (E) is 0.01 to 0.1 mass% in terms of phosphorus elements based on a total amount of said lubricant (L).